DIAGNOSING MALFUNCTIONING WHEEL ALIGNMENT SYSTEM

ABSTRACT

[0038]   A diagnostic system allows a service technician to diagnose a malfunction that occurs during operation of a wheel alignment system after the malfunction has occurred and is no longer apparent. The system, which includes one or more cameras for gathering images of the alignment, gathers information in real time about the alignment of a plurality of wheels. The images include reflections from a target mounted on each wheel, and a processing system in communication with the cameras receives the images and generates analysis data based on them, the analysis data providing an analysis of the alignment of the wheels. A memory device stores the images and the analysis data, and a storage control causes the memory device to store the images and the analysis data in response to activation of the storage control by the operator during the occurrence of the malfunction. A display device in communication with the memory device selectively displays the images and the analysis data, and a play-back control causes the display device to selectively display the images and the analysis data to the service technician in response to activation of the play-back control after the occurrence of the malfunction.